

ABSTRACT

Comprehensive transportation fuel additive compositions are designed to improve low-quality transportation fuels, particularly for underdeveloped countries. A preferred formula of the present invention comprises at least one octane booster, at least one combustion modifier, at least one corrosion inhibitor, at least one water demulsifier, at least one detergent, at least one solvent, at least one fuel stabilizer, at least one biocide, and at least one fuel lubricant. Under appropriate circumstances, such as, for example, use in cold climates, the preferred formula may also comprise at least one low temperature additive. The comprehensive fuel additives of the present invention have a novel capability of substantially correcting all of the detrimental aspects of low-quality transportation fuel, thereby lowering pollution, improving fuel efficiency, and reducing vehicle maintenance costs. The comprehensive fuel additive formula is preferably tailored and adjusted to meet local needs. Different, but closely related, comprehensive fuel additive formulas are used for motor fuels and diesel fuels.